

PATENT

B. AMENDMENTS TO THE CLAIMS

1. (Original) A method comprising:
receiving a message over a computer network, the message
corresponding to an incoming telephone call and including
caller attributes;

retrieving a customer profile using the caller attributes;
and

processing the incoming telephone call using the customer
profile.
2. (Original) The method of claim 1 wherein the incoming
telephone call is received over a telephone network, and
wherein the computer network and the telephone network are
heterogeneous.
3. (Original) The method of claim 1 further comprising:
determining whether to accept the incoming telephone call
based upon the caller profile; and

accepting the incoming telephone call in response to the
determination.
4. (Original) The method of claim 1 further comprising:
extracting a port location from the message, the port
location corresponding to an incoming port of the incoming
telephone call;

determining that the incoming telephone call is not at the
port location; and

logging the incoming telephone call in response to the
determination.

PATENT

5. (Original) The method of claim 4 further comprising:
detecting that a timer has timed out, the detecting
resulting in the determination.
6. (Original) The method of claim 1 wherein the caller
attributes are received from a name resolution adapter, and
wherein the name resolution adapter is adapted to:
look-up a call recipient agreement;

identify the caller attributes included in the call
recipient agreement; and

return the identified caller attributes in the message.
7. (Original) The method of claim 6 wherein the name
resolution adapter is further adapted to:
identify one or more requested caller fields corresponding
to an initiating caller number, the initiating caller
number corresponding to the incoming telephone call;

detect whether one of the requested caller fields
corresponds to sensitive caller data, the sensitive caller
data corresponding to the initiating caller number;

check one or more authorization table entries corresponding
to the initiating caller number in response to the
detecting;

determine whether to return the sensitive caller data in
response to the checking; and

return the sensitive caller data in response to the
determining.
8. (Original) The method of claim 1 further comprising:

PATENT

retrieving a service subscription corresponding to the caller profile; and

allowing an initiating caller to perform actions corresponding to the service subscription, the initiating caller corresponding to the incoming telephone call.

9. (Original) The method of claim 8 wherein at least one of the actions is selected from the group consisting of placing an order, checking account balance, checking order status, and changing account information.
10. (Original) The method of claim 1 further comprising:
requesting a PIN from an initiating caller corresponding to the telephone call;
receiving the PIN in response to the request;
validating the PIN; and
answering the incoming telephone call in response to the validation.
11. (Original) The method of claim 1 further comprising:
determining whether to route the incoming telephone call to a particular extension based upon the caller profile; and
routing the incoming telephone call to the particular extension in response to the determination.
12. (Original) An information handling system comprising:
one or more processors;
a memory accessible by the processors;

PATENT

one or more nonvolatile storage devices accessible by the processors;

a telephone network;

a computer network; and

a caller processing tool for processing an incoming telephone call, the caller processing tool comprising software code effective to:

receive a message over the computer network, the message corresponding to the incoming telephone call and including caller attributes;

retrieve a customer profile from one of the nonvolatile storage devices using the caller attributes; and

process the incoming telephone call using the customer profile.

13. (Original) The information handling system of claim 12 wherein the incoming telephone call is received over the telephone network, and wherein the computer network and the telephone network are heterogeneous.

14. (Original) The information handling system of claim 12 wherein the software code is further effective to:
determine whether to accept the incoming telephone call based upon the caller profile; and
accept the incoming telephone call in response to the determination.

PATENT

15. (Original) The information handling system of claim 12 wherein the software code is further effective to:
extract a port location from the message, the port location corresponding to an incoming port of the incoming telephone call;

determine that the incoming telephone call is not at the port location; and

log the incoming telephone call in one of the nonvolatile storage devices in response to the determination.
16. (Original) The information handling system of claim 15 wherein the software code is further effective to:
detect that a timer has timed out, the detecting resulting in the determination.
17. (Original) The information handling system of claim 12 wherein the caller attributes are received from a name resolution adapter, and wherein the name resolution adapter is adapted to:
look-up a call recipient agreement;

identify the caller attributes included in the call recipient agreement; and

return the identified caller attributes in the message.
18. (Original) The information handling system of claim 17 wherein the name resolution adapter is further adapted to:
identify one or more requested caller fields corresponding to an initiating caller number, the initiating caller number corresponding to the incoming telephone call;

PATENT

detect whether one of the requested caller fields corresponds to sensitive caller data, the sensitive caller data corresponding to the initiating caller number;

check one or more authorization table entries corresponding to the initiating caller number in response to the detecting;

determine whether to return the sensitive caller data in response to the checking; and

return the sensitive caller data in response to the determining.

19. (Original) The information handling system of claim 12 wherein the software code is further effective to:
retrieve a service subscription from one of the nonvolatile storage devices corresponding to the caller profile; and
allow an initiating caller to perform actions corresponding to the service subscription, the initiating caller corresponding to the incoming telephone call.
20. (Original) The information handling system of claim 19 wherein at least one of the actions is selected from the group consisting of placing an order, checking account balance, checking order status, and changing account information.
21. (Original) The information handling system of claim 12 wherein the software code is further effective to:
request a PIN from an initiating caller corresponding to the telephone call;

PATENT

receive the PIN in response to the request;

validate the PIN; and

answer the incoming telephone call in response to the validation.

22. (Original) The information handling system of claim 12 wherein the software code is further effective to:
determine whether to route the telephone call to a particular extension based upon the caller profile; and
route the telephone call to the particular extension in response to the determination.
23. (Original) A computer program product stored on a computer operable media for processing an incoming telephone call, said computer program product comprising software code effective to:
receive a message over a computer network, the message corresponding to the incoming telephone call and including caller attributes;
retrieve a customer profile using the caller attributes;
and
process the incoming telephone call using the customer profile.
24. (Original) The computer program product of claim 23 wherein the incoming telephone call is received over a telephone network, and wherein the computer network and the telephone network are heterogeneous.

PATENT

25. (Original) The computer program product of claim 23 wherein the software code is further effective to:
determine whether to accept the incoming telephone call based upon the caller profile; and
accept the incoming telephone call in response to the determination.
26. (Original) The computer program product of claim 23 wherein the software code is further effective to:
extract a port location from the message, the port location corresponding to an incoming port of the incoming telephone call;
determine that the incoming telephone call is not at the port location; and
log the incoming telephone call in response to the determination.
27. (Original) The computer program product of claim 26 wherein the software code is further effective to:
detect that a timer has timed out, the detecting resulting in the determination.
28. (Original) The computer program product of claim 23 wherein the caller attributes are received from a name resolution adapter, and wherein the name resolution adapter is adapted to:
look-up a call recipient agreement;
identify the caller attributes included in the call recipient agreement; and

PATENT

return the identified caller attributes in the message.

29. (Original) The computer program product of claim 28 wherein the name resolution adapter is further adapted to: identify one or more requested caller fields corresponding to an initiating caller number, the initiating caller number corresponding to the incoming telephone call; detect whether one of the requested caller fields corresponds to sensitive caller data, the sensitive caller data corresponding to the initiating caller number; check one or more authorization table entries corresponding to the initiating caller number in response to the detecting; determine whether to return the sensitive caller data in response to the checking; and return the sensitive caller data in response to the determining.
30. (Original) The computer program product of claim 23 wherein the software code is further effective to: retrieve a service subscription corresponding to the caller profile; and allow an initiating caller to perform actions corresponding to the service subscription, the initiating caller corresponding to the incoming telephone call.
31. (Original) The computer program product of claim 30 wherein at least one of the actions is selected from the group consisting of placing an order, checking account

PATENT

balance, checking order status, and changing account information.

32. (Original) The computer program product of claim 23 wherein the software code is further effective to:
request a PIN from an initiating caller corresponding to the telephone call;

receive the PIN in response to the request;

validate the PIN; and

answer the incoming telephone call in response to the validation.
33. (Original) The computer program product of claim 23 wherein the software code is further effective to:
determine whether to route the incoming telephone call to a particular extension based upon the caller profile; and

route the incoming telephone call to the particular extension in response to the determination.
34. (Original) A method comprising:
receiving a customer identifier over a telephone network wherein the customer identifier is not an initiating caller's telephone number, and wherein the customer identifier corresponds to an incoming telephone call;

retrieving a customer profile using the customer identifier; and

processing the incoming telephone call using the customer profile.

PATENT

35. (Original) The method of claim 34 wherein the customer identifier is selected from the group consisting of a customer number, a credit card number, an account number, and a social security number.
36. (Original) An information handling system comprising:
- one or more processors;
 - a memory accessible by the processors;
 - one or more nonvolatile storage devices accessible by the processors;
 - a telephone network; and
 - a caller processing tool for processing an incoming telephone call, the caller processing tool comprising software code effective to:
 - receive a customer identifier over the telephone network wherein the customer identifier is not an initiating caller's telephone number, and wherein the customer identifier corresponds to an incoming telephone call;
 - retrieve a customer profile from one of the nonvolatile storage devices using the customer identifier; and
 - process the incoming telephone call using the customer profile.
37. (Original) The information handling system of claim 36 wherein the customer identifier is selected from the group consisting of a customer number, a credit card number, an account number, and a social security number.

PATENT

38. (Original) A computer program product stored on a computer operable media for processing an incoming telephone call, said computer program product comprising software code effective to:
- receive a customer identifier over a telephone network wherein the customer identifier is not an initiating caller's telephone number, and wherein the customer identifier corresponds to an incoming telephone call;
- retrieve a customer profile using the customer identifier;
- and
- process the incoming telephone call using the customer profile.
39. (Original) The computer program product of claim 38 wherein the customer identifier is selected from the group consisting of a customer number, a credit card number, an account number, and a social security number.